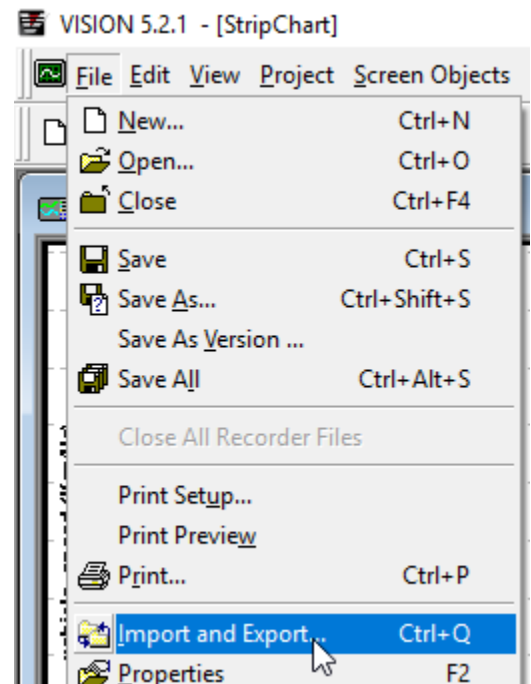


Import Data and ASCII Files Into VISION

VISION users can benefit from the Import Wizard allowing for the viewing of log files taken with 3rd party software. The Import Wizard has two options to choose: Import data file(s) and Import ASCII data files using a template. The “Import data file(s)” is a simplistic utility that requires only adding files to import into a rec file. There is no configuration required unless importing a *.csv file. The “Import ASCII data files using a template” option is an advanced utility that enables applying a template to the file being imported. The limitations of this utility are it only allows ASCII based files for importing.

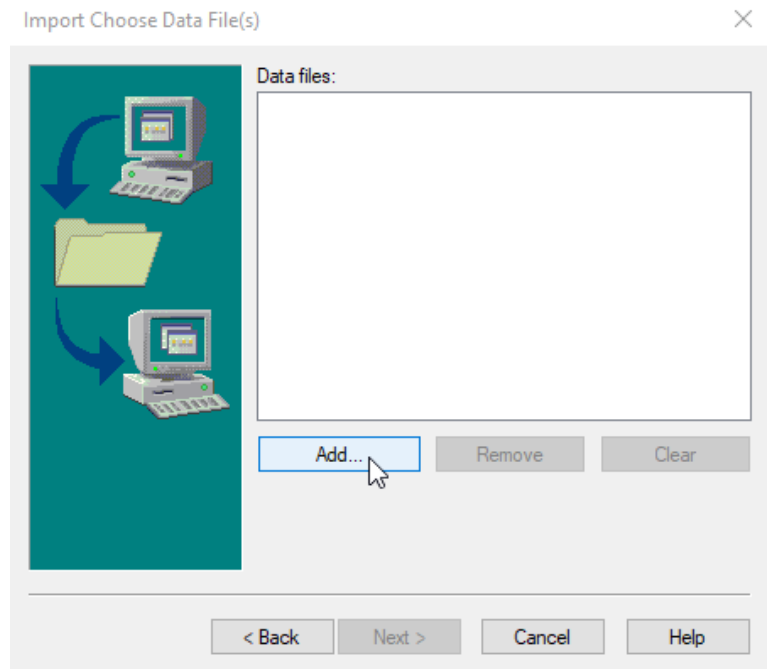
Importing Data Files

1. From the File menu, select “Import and Export”.



2. Select “Import data file(s)” opens a basic “Import Choose Data File(s)” dialog window containing three buttons :
 - **Add button:** Opens an explorer window to select files to add for importing.
 - ASCII tab/space delimited files (*.tsv, *.txt)
 - ** ASCII comma delimited files (*.csv)
 - MATLAB Recorder files (*.mat)
 - CALVIN HDF files (*.hdf)
 - ADR Format 1.03 (*.csv)
 - MDF Log files (*.log, *.mdf, *.dat)
 - KISTLER Measurement files (*.open)
 - **Remove button:** Deletes the selected file(s) from the Data files list.
 - **Clear button:** Removes all the files from the Data Files list.
3. Click the “Add” button and select a file to import then select “Next”.

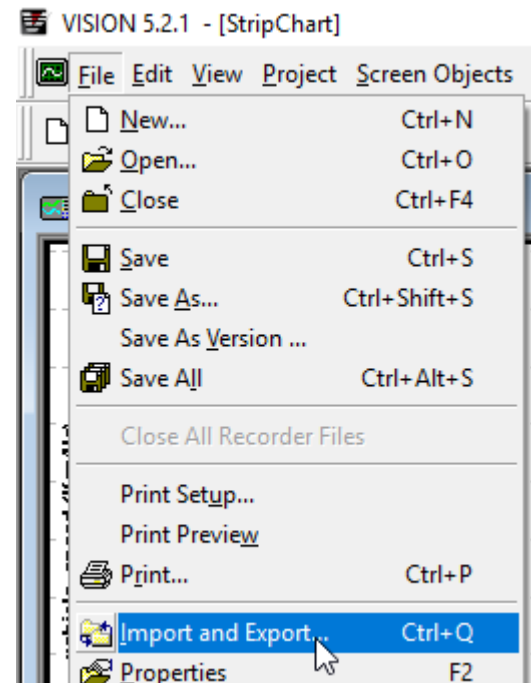
***Note:** Selecting an ASCII comma delimited files (*.csv) and clicking “Next” will start the “ASCII File Setup Wizard” to allow for configuring how the file is to be utilized.
4. If the configuration file has already been imported into the current project, VISION prompts for confirmation to overwrite the current configuration with the selected file. Click “No” to cancel or “Yes” to overwrite. When the import process has begun, the Import Results Window will display.



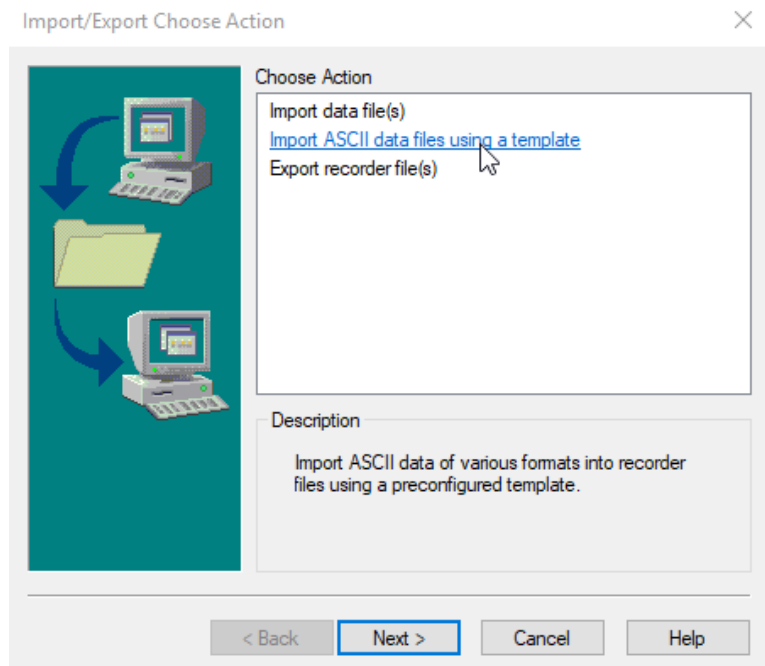
Importing ASCII Data Files using a Template

The “Import ASCII data files using a template” option is an advanced option for importing ASCII files. This option is limited to ASCII based files only, but it allows for applying a template file to the import process.

1. From the File menu, select "Import and Export".

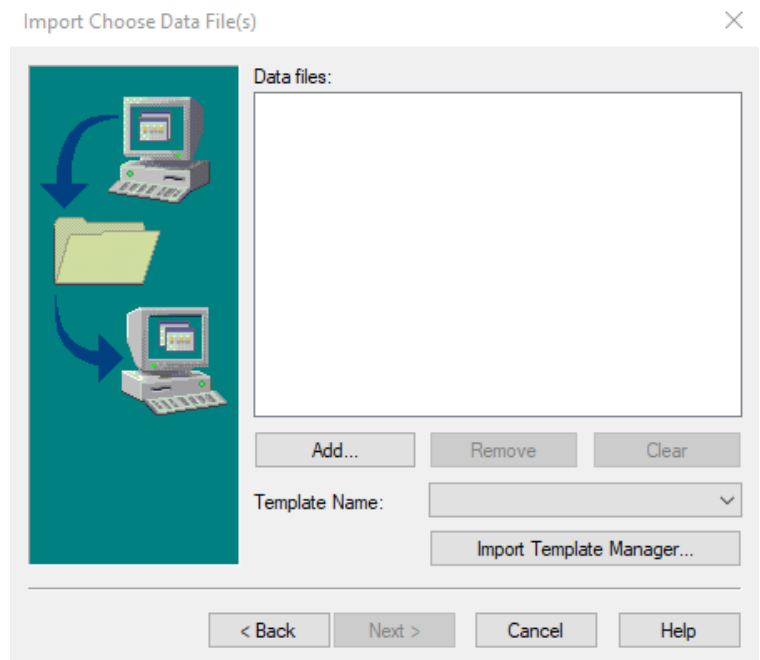


2. Select "Import ASCII data files using a template".



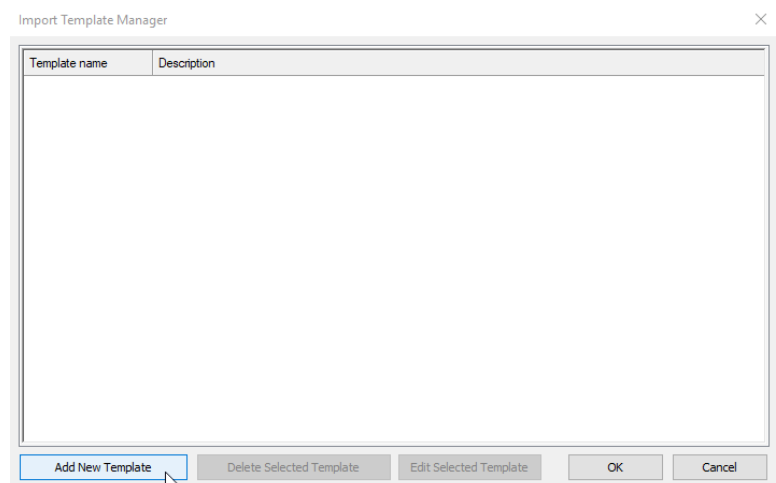
3. After the file(s) are added, clicking “Next” starts the ‘ASCII File Setup Wizard’ for configuring how the file is to be utilized.

- **Add:** Opens a browser to enable selecting ASCII tab/space delimited (*.tsv, *.txt) and ASCII comma delimited (*.csv) files for importing. Use when a template is not needed for additional files. If using “Add” for a single file, skip to step 6.
- **Remove:** Removes the selected file(s) from the list. Option does not delete the file from the computer.
- **Clear:** Removes all files from the “Data files” list.
- **Template Name drop-down:** Select a defined template file from the drop-down list to be applied to the import files. Template files are defined in the “Import Template Manager”. If no template files exist, the drop-down list will only contain “None” as a selection.
- **Import Template Manager button:** Opens the “Import Template Manager” that enables creating or modifying templates to be apply to the ASCII file.



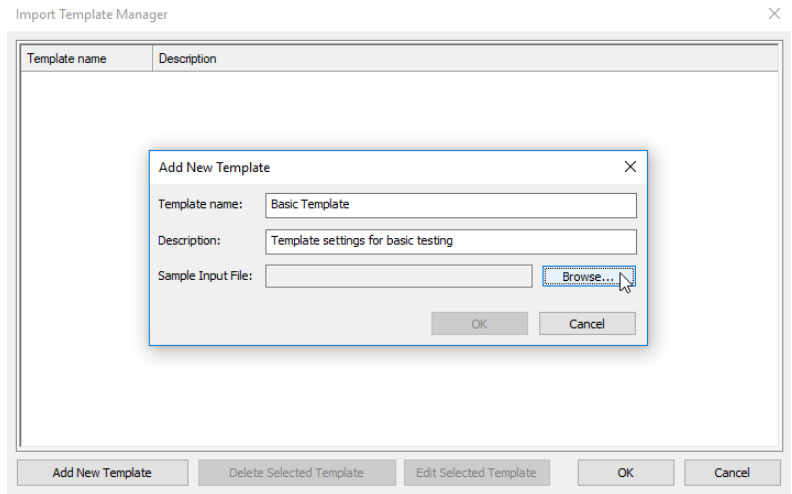
4. Select “Add New Template” from the Import Template Manager to begin.

- **Add New Template button:** Opens the “Add New Template” window for creating a new template.
- **Delete Template button:** Deletes the selected template from the list.
- **Edit Template button:** Opens the “Edit Template” window (similar to the “Add New Template” window) allowing for modifying the name, description or Sample Input File.



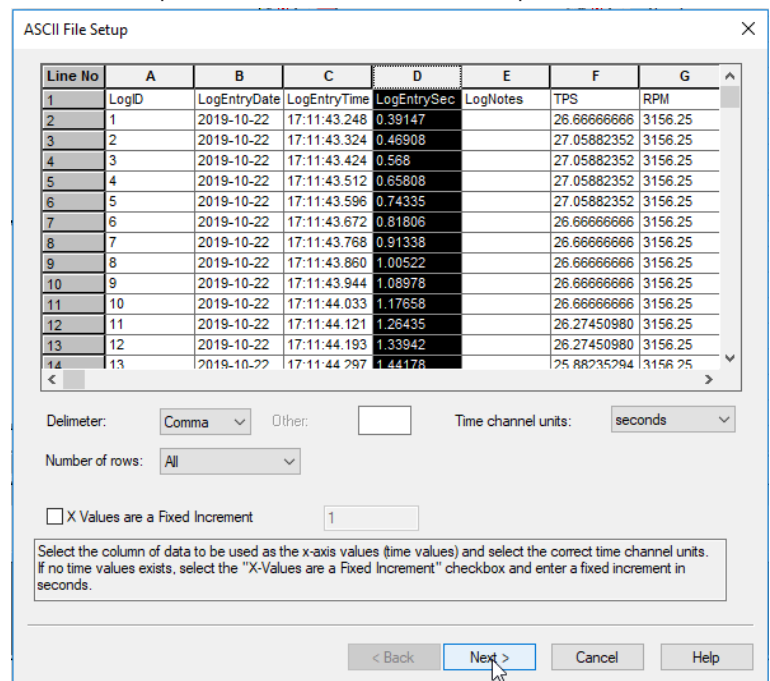
5. In the “Add New Template” screen users can name the template and give it a description then will need to select a file to base the template on.

- **Template Name:** Enter a template name.
- **Description:** Enter a reference description.
- **Sample Input File:** Click “Browse” to add an input file for defining the template. Available supported file formats include ASCII Tab/Space Delimited (.tsv, .txt) and ASCII Comma Delimited (.csv). After selecting a file, the ASCII File Setup wizard walks through configuring the file.



6. Begin configuring the ASCII file using the “ASCII File Setup Wizard”, the first three options are:

- **Delimiter:** Configure the delimiter setting as: Tab, Comma, or space.
- **Time channel units:** Sets the time units which helps to avoid timestamp inconsistencies by specifying a time channel stamp during the import of the ASCII file. Options range from micro seconds to hh:mm:ss.s.
- **X Values are Fixed Increment:** Set the fixed increment value for X. If no time values exist, enter a fixed increment in seconds. If a time value exist in the file, select the column or row the time



7. Select a row or column range where the channel labels exist.

- **Use periods as group separators in channel names:** This option inserts periods to separate the group hierarchy in the channel name.

ASCII File Setup

Line No	A	B	C	D	E	F	G
1	LogID	LogEntryDate	LogEntryTime	LogEntrySec	LogNotes	TPS	RPM
2	1	2019-10-22	17:11:43.248	0.39147		26.66666666	3156.25
3	2	2019-10-22	17:11:43.324	0.46908		27.05882352	3156.25
4	3	2019-10-22	17:11:43.424	0.568		27.05882352	3156.25
5	4	2019-10-22	17:11:43.512	0.65808		27.05882352	3156.25
6	5	2019-10-22	17:11:43.596	0.74335		27.05882352	3156.25
7	6	2019-10-22	17:11:43.672	0.81806		26.66666666	3156.25
8	7	2019-10-22	17:11:43.768	0.91338		26.66666666	3156.25
9	8	2019-10-22	17:11:43.860	1.00522		26.66666666	3156.25
10	9	2019-10-22	17:11:43.944	1.08978		26.66666666	3156.25
11	10	2019-10-22	17:11:44.033	1.17658		26.66666666	3156.25
12	11	2019-10-22	17:11:44.121	1.26435		26.27450980	3156.25
13	12	2019-10-22	17:11:44.193	1.33942		26.27450980	3156.25
14	13	2019-10-22	17:11:44.297	1.44178		25.88235294	3156.25
15	14	2019-10-22	17:11:44.385	1.53114		25.88235294	3156.25
16	15	2019-10-22	17:11:44.453	1.59621		25.88235294	3156.25
17	16	2019-10-22	17:11:44.545	1.68887		25.88235294	3156.25
18	17	2019-10-22	17:11:44.609	1.75572		25.88235294	3156.25
19	18	2019-10-22	17:11:44.689	1.83492		25.88235294	3156.25

☒ Use periods as group separators in channel names

Please select a row or a single column range where the channel labels exist.

< Back Next > Cancel Help

8. Select the row where the template data will start and then click "Finish" to import the ASCII file and display the "Import Results" dialog window.

ASCII File Setup

Line No	A	B	C	D	E	F	G
1	LogID	LogEntryDate	LogEntryTime	LogEntrySec	LogNotes	TPS	RPM
2	1	2019-10-22	17:11:43.248	0.39147		26.66666666	3156.25
3	2	2019-10-22	17:11:43.324	0.46908		27.05882352	3156.25
4	3	2019-10-22	17:11:43.424	0.568		27.05882352	3156.25
5	4	2019-10-22	17:11:43.512	0.65808		27.05882352	3156.25
6	5	2019-10-22	17:11:43.596	0.74335		27.05882352	3156.25
7	6	2019-10-22	17:11:43.672	0.81806		26.66666666	3156.25
8	7	2019-10-22	17:11:43.768	0.91338		26.66666666	3156.25
9	8	2019-10-22	17:11:43.860	1.00522		26.66666666	3156.25
10	9	2019-10-22	17:11:43.944	1.08978		26.66666666	3156.25
11	10	2019-10-22	17:11:44.033	1.17658		26.66666666	3156.25
12	11	2019-10-22	17:11:44.121	1.26435		26.27450980	3156.25
13	12	2019-10-22	17:11:44.193	1.33942		26.27450980	3156.25
14	13	2019-10-22	17:11:44.297	1.44178		25.88235294	3156.25
15	14	2019-10-22	17:11:44.385	1.53114		25.88235294	3156.25
16	15	2019-10-22	17:11:44.453	1.59621		25.88235294	3156.25
17	16	2019-10-22	17:11:44.545	1.68887		25.88235294	3156.25
18	17	2019-10-22	17:11:44.609	1.75572		25.88235294	3156.25
19	18	2019-10-22	17:11:44.689	1.83492		25.88235294	3156.25
20	19	2019-10-22	17:11:44.767	1.91091		25.88235294	3156.25
21	20	2019-10-22	17:11:44.850	1.99541		25.88235294	3156.25

Please select the row where the data begins.

< Back Finish > Cancel Help

9. Once the file is imported you can select the channels you would like to see displayed in the graph.



For additional questions, contact ATI support at support@accuratetechnologies.com.

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